

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 104 (1995) 385–387

COLLOIDS AND SURFACES

A

Contents of Volume 104

(Abstracted/indexed in: Chemical Abstracts: Current Contents; Physical, Chemical & Earth Sciences; INSPEC: PASCAL/CNRS)

Vol.	104	No.	1

Professor Alexei Scheludko	vii
Mechanism of droplet detachment from rock in the process of oil displacement by non-ionic surfactant solutions porous media	
V.N. Matveenko, E.A. Kirsanov and F.D. Mekhtiev (Moscow, Russia)	1
The adsorption of carbofuran on the surface of antimony(V) arsenosilicate: a thermodynamic study K.G. Varshney, A. Gupta and K.C. Singhal (Aligarh, India)	7
The influence of transition metal cyanide complexes on the electrosurface properties and energy parameters of bacterial cells	
L.N. Yakubenko, V.I. Podolska, V.E. Vember and V.I. Karamushka (Kiev, Ukraine)	11
X-ray and photo-luminophors based on SiO ₂ –UO ₂ ²⁺ adsorption systems	
Yu.D. Glinka, T.B. Krak, Yu.N. Belyak, V.Ya. Degoda and V.M. Ogenko (Kiev, Ukraine)	17
The effect of the subphase composition on monostearin-distearin mixed monolayers	
J. de la Fuente Feria and J.M. Rodríguez Patino (Seville, Spain)	29
Temporary water-in-oil microemulsion in the system pentanol octyltrimethoxysilane and water at pH 13	
M. Biscoglio, C. Brancewicz, A. Amran and S.E. Friberg (Potsdam, NY, USA) and J. Sjöblom (Bergen,	
Norway)	41
The adsorption of dipyridyl and its complex with zinc(II) on silica surfaces	
N.N. Vlasova, N.K. Davidenko, V.I. Bogomaz and A.A. Chuiko (Kiev, Ukraine)	53
Calculation of lateral interactions of adsorbed molecules on planar lattices	
V.M. Rozenbaum (Kiev, Ukraine)	57
Kinetic models of suspension flocculation by polymers	
Ad.A. Berlin and V.N. Kislenko (Lviv, Ukraine)	67
Hyperdispersive flow of liquid thin films in fractal porous media	
P.G. Toledo (Caracas, Venezuela), H.T. Davis and L.E. Scriven (Minneapolis, MN, USA)	73
Studies on asphaltene aggregation via computational chemistry	
E. Rogel (Caracas, Venezuela)	85
Thermodynamic properties of aqueous solutions of perfluorinated ionic surfactants	
V. Tomašić (Zagreb, Croatia), A. Chittofrati (Milan, Italy) and N. Kallay (Zagreb, Croatia)	95
Electrocoagulation and separation of aqueous suspensions of ultrafine particles	
M.J. Matteson, R.L. Dobson, R.W. Glenn, Jr, N.S. Kukunoor, W.H. Waits III and E.J. Clayfield	
(Atlanta, GA, USA)	101
Fluctuating micelles: a theory of surfactant aggregation. Part 1. Nonionic surfactants	
T. Gilányi (Budapest, Hungary)	111
Fluctuating micelles: a theory of surfactant aggregation. 2. Ionic surfactants	
T. Gilányi (Budapest, Hungary)	119
Vol. 104 Nos. 2/3	
Light scattering study of solubilization of emulsion droplets by non-ionic surfactant solutions	
D.J. McClements and S.R. Dungan (Davis, CA, USA)	127

Dissolved and colloidal substances from mechanical pulp suspensions — stability and flocculation behaviour	
J. Nylund, O. Lagus and J.B. Rosenholm (Åbo, Finland)	. 137
Polymer-monomer and polymer-polymer interactions and their effect on the stability of emulsifier-free acrylate	
latexes	
T. Aslamazova and S. Bogdanova (Moscow, Russia)	. 147
The properties of mixtures of ionic and nonionic surfactants in water at the water/air interface	1.55
B. Jańczuk, J.M. Bruque, M.L. González-Martin and C. Dorado-Calasanz (Badajoz, Spain)	. 15/
Method of touching drops: a new method for measuring the surface and interfacial tension of liquids	166
V.V. Krotov, V.A. Prokhorov, S.Y. Pavlov and A.I. Rusanov (St Petersburg, Russia)	. 103
L. Wågberg and Inger Åsell (Sundsvall, Sweden)	160
Influence of some aqueous subsolutions on behaviour of stearic acid monolayers	. 109
B. Korchowiec and M. Paluch (Cracow, Poland)	185
Flocculation in kaolin suspensions induced by modified starches. 1. Cationically modified starch—effects of	. 105
temperature and ionic strength	
L. Järnström, L. Lason and M. Rigdahl (Stockholm, Sweden)	. 191
Flocculation in kaolin suspensions induced by modified starches. 2. Oxidized and hydrophobically modified	
oxidized starch in comparison with poly(vinyl alcohol) and carboxymethylcellulose	
L. Järnström, L. Lason, M. Rigdahl and U. Eriksson (Stockholm, Sweden)	. 207
Microemulsions as reaction media for synthesis of sodium decyl sulfonate. 2. Role of ionic surfactants	
SG. Oh, J. Kizling and K. Holmberg (Stockholm, Sweden)	. 217
Hydrolysis of tetraethoxysilane by copper(II) salt hydrates	
J. Yang and S.E. Friberg (Potsdam, NY, USA), J. Sjöblom and E. Paatero (Bergen, Norway) and S. Sundqvist	
(Lappeenranta, Finland)	223
Adsorption isotherms of perfluorocarbon surfactants from aqueous and non-aqueous solutions and friction	
measurements of perfluorosurfactant-adsorbed alumina	
CL. Lai and J.H. Harwell (Norman, OK, USA), E.A. O'Rear, S. Komatsuzaki, J. Arai, T. Nakakawaji and	224
Y. Ito (Ibaraki-Ken, Japan)	231
Heat and mass transfer studies of urine-oxalic acid mixture across urinary bladder membranes	242
P.C. Shukla and D.K. Chaube (Gorakhpur, India)	243
Adsorption behavior of a cationic surfactant on montmorillonite	240
S. Peker, S. Yapar and N. Beşün (İzmir, Turkey)	249
I. Petkanchin, K. Starchev and A. Dimitrova (Sofia, Bulgaria)	250
Sorption of cobalt(II) by amorphous ferric hydroxide	233
F. Esmadi (Irbid, Jordan) and J. Simm (Berlin, Germany)	265
Multicomponent polymer adsorption	200
G.J. Fleer (Wageningen, The Netherlands)	271
Effect of pH and ionic strength on the adsorption of cetylpyridinium chloride and the coadsorption of	
phenoxypropanol at a silica/water interface	
V. Monticone and C. Treiner (Paris, France)	285
Identifying chemisorption in the interaction of thiol collectors with sulfide minerals by XPS: adsorption of	
xanthate on silver and silver sulfide	
A.N. Buckley (North Ryde, N.S.W., Australia) and R. Woods (Port Melbourne, Vic., Australia)	295
Clouding of Triton X-114: The effect of added electrolytes on the cloud point of Triton X-114 in the presence of	
ionic surfactants	
T. Gu and P.A. Galera-Gómez (Madrid, Spain)	307
Fast coagulation of nearly spherical ferric oxide (haematite) particles. Part 1. Formation and decomposition of	
aggregates: experimental estimation of velocity constants	
H. Lichtenfeld, L. Knapschinsky and H. Sonntag (Berlin, Germany) and V. Shilov (Kiev, Ukraine)	313
Fast coagulation of nearly spherical ferric oxide (haematite) particles. Part 2. Theoretical contribution to the fast	
coagulation of particles with different surface curvature	221
V. Shilov (Kiev, Ukraine), H. Lichtenfeld and H. Sonntag (Berlin, Germany)	321

Contents of Vol. 104/Colloids Surfaces A: Physicochem. Eng. Aspects 104 (1995) 385-387	387
Solution properties of alkali metal perfluoroalkanoates	
R. Muzzalupo, G.A. Ranieri (Rende, Italy) and C.L. Mesa (Rome, Italy)	327
Electric light scattering by suspensions of anisotropic, slightly anisodiametric latex particles	
Ts. Radeva and S.P. Stoylov (Sofia, Bulgaria) and H. Hoffmann (Bayreuth, Germany)	337
Effect of electric fields on cluster formation of egg phosphatidylcholine liposomes in flocculation region by Ca ²⁺ ions	
H. Matsumura (Tsukuba, Japan)	343
Linear and non-linear rheological behaviour of salt-free aqueous CTAB solutions	
E. Cappelaere, R. Cressely and J.P. Decruppe (Metz, France)	353
Brief note	
Early gravimetric adsorption measurements	
E. Robens (Mainz, Germany)	375
Book review	377

 Author Index
 381

 Subject Index
 382

 Contents of Vol. 104
 385